

CLAIMS

1. An electromagnetic wave reception device comprising:

an input reception portion for detecting an input
electromagnetic wave transmitted from a transmission terminal at a
predetermined timing and receiving the input electromagnetic wave;

a lock control portion for unlocking or locking a lock
mechanism according to the input electromagnetic wave received by
the input reception portion; and

a timing change portion for changing a timing at which
the input reception portion detects the input electromagnetic wave.

2. The electromagnetic wave reception device of claim 1,
wherein the timing change portion changes the timing according to a
time zone.

3. The electromagnetic wave reception device of claim 1, further
comprising:

a position detection portion for detecting a position of the
electromagnetic wave reception device;

wherein the timing change portion changes the timing
according to the position detected by the position detection portion.

4. The electromagnetic wave reception device of claim 1, further
comprising:

a history information generation portion for generating
history information, which is information on a history of reception of
the input electromagnetic wave by the input reception portion;

wherein the timing change portion changes the timing

according to the history information.

5 5. The electromagnetic wave reception device of claim 4,
wherein the history information generation portion generates history
information of time when the input electromagnetic wave is received.

6. The electromagnetic wave reception device of claim 4, further
comprising:
a position detection portion for detecting a position of the
10 electromagnetic wave reception device;

wherein the history information generation portion generates
history information of a position where the input electromagnetic wave
is received, according to the position detected by the position detection
portion.

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7. The electromagnetic wave reception device of any one of
claims 1 through 6, wherein at least the input reception portion is
powered by a battery.

20 8. A vehicle comprising the electromagnetic wave reception
device of any one of claims 1 through 6.

9. The vehicle of claim 8, wherein at least the input reception
portion is powered by a battery.

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10. An electromagnetic wave transmission device comprising:

a switch;

a transmission portion for transmitting an

electromagnetic wave for a predetermined period of time when the switch is turned on; and

a transmission control portion for controlling so as to transmit a second electromagnetic wave for a longer period of time than a first electromagnetic wave when the switch is turned on at least twice within a predetermined period of time.

11. A keyless entry system comprising:

an electromagnetic wave reception device installed in a vehicle comprising:

an input reception portion for detecting an input electromagnetic wave transmitted from a transmission terminal at a predetermined timing and receiving the input electromagnetic wave;

a lock control portion for unlocking or locking a lock mechanism according to the input electromagnetic wave received by the input reception portion; and

a timing change portion for changing a timing at which the input reception portion detects the input electromagnetic wave; and

an electromagnetic wave transmission device for transmitting a signal to the electromagnetic wave reception device.

12. The keyless entry system of claim 11, wherein

the electromagnetic wave transmission device comprising:

a switch;

a transmission portion for transmitting an electromagnetic wave for a predetermined period of time when the switch is turned on; and

a transmission control portion for controlling so as to transmit a second electromagnetic wave for a longer period of time than a first electromagnetic wave when the switch is turned on at least twice within a predetermined period of time.